

Title (en)

METHOD AND APPARATUS FOR REDUCING TRANSMITTER INTERFERENCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERRINGERUNG VON SENDERINTERFERENZEN

Title (fr)

PROCÉDÉ ET APPAREIL DESTINÉS À RÉDUIRE LES INTERFÉRENCES D'UN ÉMETTEUR

Publication

**EP 2727248 A1 20140507 (EN)**

Application

**EP 12729329 A 20120619**

Priority

- US 201113172918 A 20110630
- US 2012043059 W 20120619

Abstract (en)

[origin: US2013003890A1] A method and apparatus mitigates spurious transmissions. An offset local oscillator signal is generated that is at a frequency that is offset from a nominal transmit channel carrier frequency by a spurious mitigation offset. An information signal is generated that comprises a series of modulation symbols and has a transmission bandwidth at baseband. A configured offset information signal is generated from the information signal, wherein the spectrum of the configured offset information signal is offset from DC by a channel configuration offset, and is further offset by a negative of the spurious mitigation offset. The offset local oscillator signal and the configured offset information signal are combined using a mixing technique. The spurious mitigation offset is zero when a spurious condition does not exist and is non-zero when the spurious condition does exist.

IPC 8 full level

**H04L 27/26** (2006.01); **H04L 27/36** (2006.01)

CPC (source: EP KR US)

**H04L 25/03** (2013.01 - KR); **H04L 25/08** (2013.01 - KR); **H04L 27/2657** (2013.01 - EP US); **H04L 27/2691** (2013.01 - EP US); **H04L 27/362** (2013.01 - EP US); **H04L 27/2626** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2013003107A1

Cited by

CN113454939A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2013003890 A1 20130103**; **US 8750411 B2 20140610**; BR 112013033722 A2 20170131; CN 103620966 A 20140305; CN 103620966 B 20150722; EP 2727248 A1 20140507; EP 2727248 B1 20160810; KR 101491401 B1 20150206; KR 20140018400 A 20140212; WO 2013003107 A1 20130103

DOCDB simple family (application)

**US 201113172918 A 20110630**; BR 112013033722 A 20120619; CN 201280031928 A 20120619; EP 12729329 A 20120619; KR 20137034385 A 20120619; US 2012043059 W 20120619